

1951  
1952

RECORD

72

This notebook is of value  
to the owner and a reward  
will be paid if the finder  
returns it to:

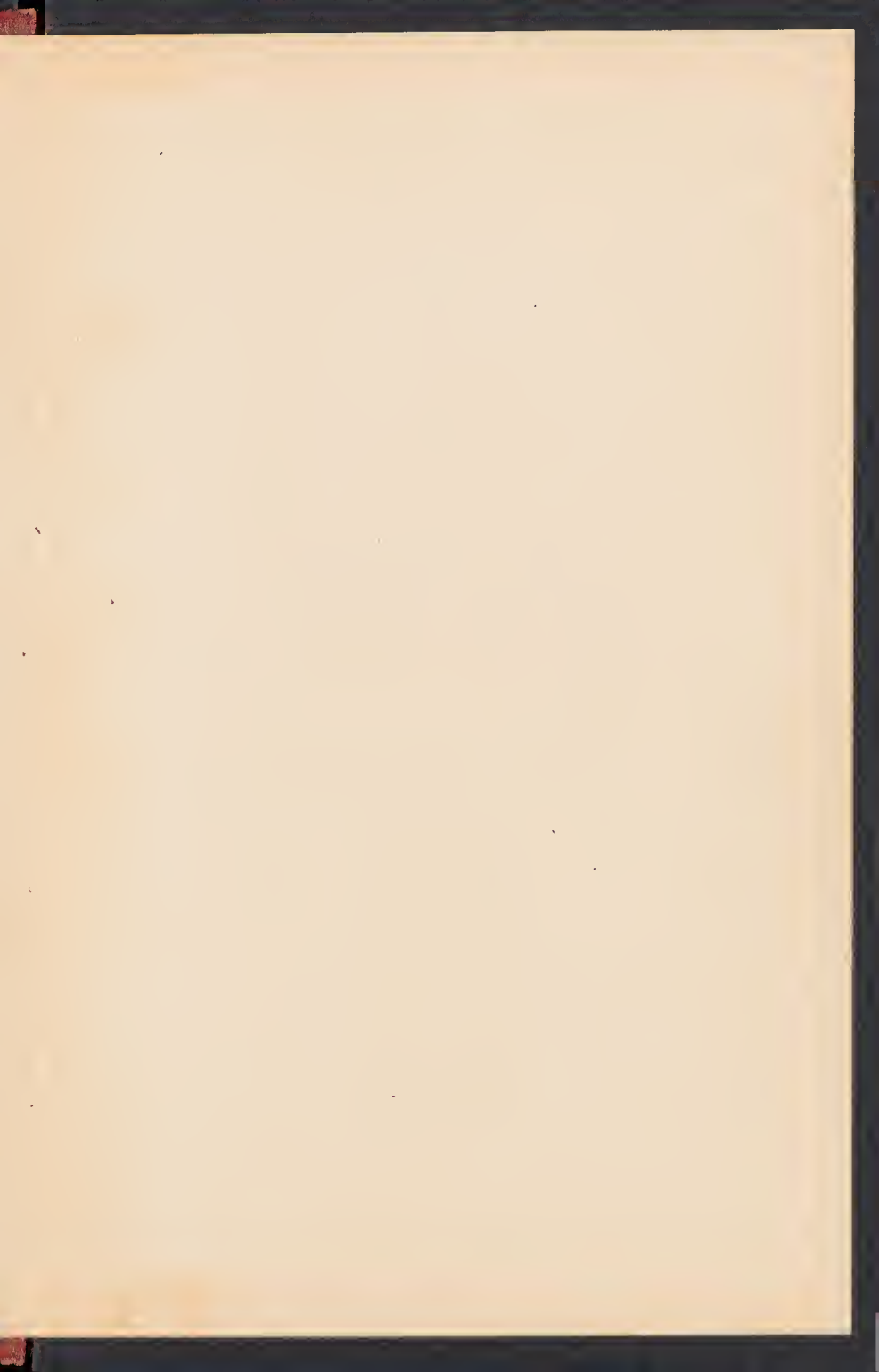
Reed C. Rollins

Gray Herbarium, Harvard Univ.

79 Garden St.

22 South

Cambridge 38, Mass.





*D. oligosperma* Hook. - Ripley & Barnaby 10536

$2n=58$

Porter 5904 - high polyploid.

5100

*Rudbeckia hirta* L.

Open grassy hillside, 5 miles northwest  
of Missouri River, 8 miles southeast of Wentzville.  
St. Charles Co., Mo. June 20, 1951

5101

*Rorippa sinuata* (Nutt.) A.S. Hitchc. (9)

gravel bank at roadside, 15 miles  
west of Colby, Thomas Co., Kansas

June 21, '51

Stoloniferous, fls do not spread

5102

*Erysimum asperum*

perennial or biennial, simple or branched  
above.

Sandy prairie, 4 miles north of  
Goodland, Sherman Co., Kansas

Kodachromes

June 21, '51

5103

*Calliandra <sup>color</sup> involucrata* (T. & G.) Gray

Deep rooted perennial with numerous  
stems, fls deep purple,  
sandy prairie, as 5102.

Ch. Kodachromes taken

5104 *Linum sulcatum* Riddell  
Fls yellow, easily falling  
St. Canyon side, 14 miles north of  
St. Francis, Cheyenne Co., Kansas  
June 21, '51

5105 *Lathyrus polymorphus* Nutt.  
*subsp. incanus* (S.M. & Rydb.) C. L. Hitchc.  
Deep-rooted perennial, as 5104

5106 *Lesquerella arguta* Ledebour (Nutt.) Wats. <sup>(11)</sup>  
Varying from 4 to ca. 15 inches high depending  
on whether exposed or in grassy clump. pedicels  
widely spreading to recurved.  
limy outcrop and below it. open prairie,  
5 miles west of Abegan, Washington Co.,  
Colorado. June 21, '51

5107 *Rhynchospora simata* (Nutt.) A. S. Hitchc. (5)  
*strictiuscula*  
Formed dense patches, growing  
in wet places. 7 mi south of New Raymer  
Weld Co., Colo. June 22, '51

5108 *Descurainia pinnata* (Walt.) Britt.  
Grassy hill slopes, open prairie, 3 miles  
west of New Raymer, Weld Co.  
June 22  
seed collected

5109 *Lesquerella* ~~sp.~~ *ludoviciana*  
Sandy bluff, pedicels with wings  
seem to be, perennial.  
east of Auld, Wall to Cole  
June 22

5110, *Lesquerella*  
perennial, pedicels slightly sigmoid,  
fruits spreading or usually erect. growing  
in shade of *Cercocarpus*, lining a steep  
4 miles north of Beponte, Barmer Co.  
Cole June 22

5111 *Arenaria pinetorum* A. Nels. (7)  
12-14 mats about 4-6 inches in diam.  
hillside with *Cercocarpus* and other  
plants. Barmer Co. Cole June 22

5112 *Lesquerella* *montana*  
near typical form 5110 growing  
in same or slightly different  
locality.



with C. B. Potter

- 5113 *Sisymbrium linifolium* Nutt. (3)  
Open prairie, near Wyoming Highway 34,  
22 miles north of Laramie, Albany Co.,  
alt 7000. June 24,  
with Ted Potter      fixation  
21 = 7
- 5114 *Physaria anthelmis* (Payson) Rollins (8)  
Two size classes of plants present on loose  
granitic talus and among rocks, canyon  
of the north fork of Snake Crk., Wyo.  
road 34, 14 miles east of Bodys junction  
with U.S. Route 20, Albany County, Wyo.,  
June 24
- 5115 *Lesquerella ~~arguta~~ ludoviciana* (Nutt.) Wats.  
Sandy-gypsiferous outcrop, 10 miles  
west of Maybell, Moffat Co., Colorado  
alt. 6,000 ft. June 25, 51  
21 = 10
- 5116 *Lepidium montanum* Nutt.  
var. *Jonesii* (Kryb.) Hitchc  
Sandstone rocky slopes, mouth of Split  
Mountain Canyon, Dinosaur National Monument  
Uintah Co., Utah. June 26, 51
- 5117 *Stanleya pinnata* var. *integripila* (3)  
bas. mostly entire  
as 5116

with C. L. Porter

5118 *Physalis australis* (Pav.) Roll. (1)  
as 5117

5119 *Besquerella rubro-bellata* (Tuckerm.)  
Juniper Knoll, 18 miles east of Vernal  
June 26, ca. 7000 ft  
2x=10

5120 *Physalis australis* (Pav.) Roll. (3)  
as 5119

5121 *Sarcocolla coccinea* (Torr) Wats (2)

5122 *Physalis austris* (Pav.) Roll. (5)  
hillside, between Vernal & 11000 ft  
ca. 25 miles north of Vernal  
hillside, alt. ca. 7000 ft

5123 *Walp. diarrhiza* L. Nees  
Juniper Knoll near a. *Holtzschii* var.  
*reticulata* & *H. diarrhiza* may be  
a hybrid. / caulis in amentibus, setigera.  
as 5122

5124 *Walp. immutabilis* Gray  
above 5123  
Barely hillside, above station for  
5123

with C. L. Porter

5125 *Arabis Holboellii* var. *longica*  
with 5123

(5)

5126 *Halimolobos virgata* (Nutt.) Schulz  
among bushes of *Cercocarpus* (mountain?)  
hillside, grade entering Sheep Creek  
Canyon, ca 15 miles south of  
Manila, Dagupan Co. Luzon, July 27  
ca. 7,500 ft.

5127 *Arabis lignifera* A. Nels.  
as 5126 open hillside

5128 *Arabis lignifera* A. Nels.

Rock at margin of small canyon  
as 5126

5129 *Decursaria Richardsonii* (Sweet) Schulz  
var. *viscosa* (Roth.) Sellenig  
Aspen - *Pinus* associated, near  
Sheep Creek, 12 miles south of  
Manila ca 10,000 ft. July 27

5130 *Arabis divaricarpa* A. Nels.  
as 5129

(9)

with C. L. Patten

5131 *Stanleya pinnata* (Pursh) Britt.  
Juniper zone, heavy soil, ~~river~~  
Creek Canyon, eastern Uinta mts  
Daguerre Co. Wyo alt. 6500 ft. June 27<sup>th</sup>  
fresh

Wyoming

5132 *Lesquerella condurcoides* A. Nels. (5)  
Exposed wind-blown <sup>ridge</sup> ~~cliff~~, 4 miles  
southwest of ~~the~~ <sup>mountain</sup>, Sweetwater Co.  
alt. ca 7,000 ft. June 27

5133 *Lesquerella alpina* (Nutt.) Wats. (7)  
Exposed wind-blown <sup>ridge</sup> ~~cliff~~, 1/2 mile  
south of ~~the~~ <sup>mountain</sup>, Sweetwater Co.  
alt. ca 7,000 ft. June 27

5134 *Arabis demissa* Greene  
<sup>var. ruscicola Rollins</sup> (12)  
Southwest slope of Cedar Mountain.  
Juniper assoc. - siliques pendulous  
Southwestern Sweetwater Co., Wyo  
alt. 2500 ft. June 28

$2n = 21$

5135 *Arabis Holboellii* Hornem, var. *picturum* (7)  
as 5134 siliques pendulous to  
more shilly ~~reflected~~  
 $2n = 21$

5136 *Physaria australis* (Pursh) Roll. (1)  
as 5134

with C. L. Porter

- 5136 *Phiparis australis* (Pursh) Roll. (4)  
near top of Cedar Mt. ca 8,500 ft.  
otherwise as 5136
- 5137 *St. pteris cordata* Nutt.  
Southeast slope of Cedar Mountain  
among bushes & mountain water  
alt. 8,500 ft. as 5136  
fixed
- 5138 *Hesperis alpestris* (Nutt.) Wats. (9)  
Open rocky hillside among bushes  
as 5137
- 5139 *Arabis Holboellii* Hornem., var. *retrofracta* (Hook) Rydb. (4)  
Among bushes, slopes of Cedar  
Mountain as 5137
- 5140 *Sisymbrium elegans* (Jones) Payson (8)  
Open clay flat, ca 5 miles north  
of Hays Fork, extreme southwestern  
Pencilwater Co. June 29<sup>th</sup>  
alt. ca 6,500 ft.  
fixed

with C. L. Paten

5141 *Lesquerella condensata*  
open knoll,

ca. 30 miles north of Boone River  
southern Sweetwater Co., Wyo.  
June 29, 1951 alt. 6,500 ft.

5142 *Lespedeza montana* Nutt (6)  
forming a small group  
clay soil

ca. 22 miles north of Green River  
southern Wyo., Wyo. June 29  
alt. 6,500

5143 *Lesquerella* *holoviciana* (Nutt.) Wats (6)  
dry hills with very little  
20 = 143

5144 *Stanleya longistylis* (Wats.) Rydb. (9)  
dry hills  
20 = 142 20 = 28

*Stanleya viridiflora* - fixed from cedar mt., not  
old enough to collect. - marked *Stanleya*  
*viridiflora* \*

~~The first collection of this species was made~~  
~~north of Vernal~~

# Colorado

- 5145 *Physaria anthralis* (Purp.) Roll. (10)  
Looks much like *P. austriaca*  
Seleniferous shale with *Chonetes pinnata*  
Boulder - Lyons road (Colorado State Route  
7) 10 miles south of Lyons, Boulder  
County, Colo. - July 3, 1951  
24 = 8  
Stems decumbent, rosette of leaves flat,  
plants from 4 to 16 inches across

- 5146 *Physaria vitulifera* Rydb. (9)  
Dry granitic slope ~~with~~ *Pinus ponderosa*  
*Rhus glabra* assoc., near mouth of  
Gregory Canyon, near Boulder, Boulder  
Co. July 5, 1951

- 5147 *Arabis Fendleri* var. *spitfolia*  
*Pinus*<sup>ponderosa</sup> *pseudotsuga* assoc. - granite  
soil under *Pinus*, 15 miles  
southwest of Sedalia, 2.5 miles to Douglas  
Douglas Co. - July 6, 1951  
alt ca 7,000 ft. 24 = 14  
with Charles  
Livingston

- 5148 *Thlaspi glaucum* A. Nels. (2)  
as 5147  
24 = 14

with *Phacelia* Livingston

5149

*Physaria acutifolia* Rydb. (9)  
Granitic slide, <sup>Pinus ponderosa</sup> between Sedalia  
and Deekers, 15 mi. northwest  
of Sedalia, Douglas Co. alt. ca 7000  
July 6, '51

Stem prostrate to ascending, leaves  
mainly entire, basal leaves not in  
middle - not forming a flat rosette.  
Differs rather markedly from plants  
of *P. vitulifera* around Boulder.

5150

*Physaria acutifolia* Rydb. (6)  
Open granitic knoll, very abundant  
1 mile above South Fork of South  
Platte River, Douglas Co., alt. 6,800  
6 miles northwest of Deekers  
July 6

5151

*Physaria acutifolia* Rydb. (5)  
Granitic talus, 2 miles west of  
Deekers, Jefferson Co., alt. ca 6,500  
July 6

5152

*Lesquerella montana* (Gray) Wats. (5)  
Red sandstone outcrop, just north of  
Fairplay, Park County. alt. 10,000 ft.  
1 plant, not peculiar  
July 6



with W. A. Weber and Charles S. Sargent

- 5153 *Braya humilis* (C.A. Meyer) Rollins.  
Fls. white, <sup>subsp. ventosa Rollins</sup>  
alpine tundra, rocky slope of high ridge  
between Hossier Pass and North Star Mountain  
border of park and Summit Counties,  
alt. 12,300 ft. July 7, 1951  
Fixed 1 1/2 miles west of Hossier Pass
- 5154 *Thlaspi coloradense* Rydb.  
as 5153
- 5155 *Draba lanceolata* Royle (4)  
Dry situations - as 5153  
N = 16
- 5156 *Draba cuneata* Vahl (2)  
loose soil at roadside - alt. 12,000 ft.  
as 5153 except - park county
- 5157 *Smelowskia corymbosa*  
among rocks
- 5158 *Draba ~~Singii~~ streptocarpa* Gray (2)  
as 5153 except in Summit Co.
- 5158a *Draba Singii streptocarpa* Gray (2)  
loose granitic soil at roadside, alpine tundra  
as 5156 park Co.,

5154 *Erysimum*  
as 5153

5160 *Cardamine cordifolia*  
moist springy hillside  
North slope, south of Monte Cristo Creek,  
about 2 miles north of Hesperian pass,  
Summit Co., Colo. July 7  
Field alt. 11,000 ft.

5161 *Smelowskia calycina* (Steph.) C.A. Meyer, var. *American*  
<sup>Fls. same white</sup>  
large flowered, among rocks, on lowest  
slope of Hesperian Ridge, alt 12,000  
July 8, 1951 park co.  
2n = 12

5162 *Smelowskia calycina* (Steph.) C.A. Meyer  
<sup>var. American</sup>  
small flowered - fls. slightly purplish  
as 5161  
2n = 12

5163 *Draba crassa* Rydb. (7)  
crevices of boulder field - as 5154

~~5164 *Eutrema* ~~fls. same~~  
as 5161  
in crevices of rocks, same alt.~~

with W. A. Weber & Charles Livingston

5165 *Arabis bennettii* Wats. (2)  
Among rocks, alt 12,800 ft  
as far as except near top of  
ridge. border of Park & Summit Co.

5166 *Draba crassifolia* R. Gray. (8)  
Open, dry soil, sparse. In assoc.  
Hoosier Pass, Park & Colo.  
July 9, 1911 alt. 11,500

5167 *Draba nivalis* Lilij., var. *exigua* (Schulz) C. L. Hitchc.  
<sup>in + meadows</sup>  
Rocky slopes, between Hoosier Pass (2)  
and North Star Mt., alt. 12,300 ft.

5168 *Draba nivalis* Lilij., var. *exigua* (Schulz) C. L. Hitchc.  
as 5167 - may be same species (3)

5169 *Hedimolobos virgatus* (Nutt.) Schulz  
Dry areas in a grassy wet meadow  
4 miles southwest of Fairplay  
Park Co., Colo. July 10, 1911  
alt 9,300 ft.

5170 *Ornithoglossum streptocarpum* Gray (6)  
Dry gravel near moist meadow  
as 5169

---

(alone) Colorado

5171 *Astragalus*  
Fls. bluish, red soil, open  
place in ponderosa pine stand,  
between Anastro Junction & Fairplay,  
9 miles northeast of Anastro Jct.  
alt. 9,500 ft. July 11, 51

5172 *Phacelia leucophylla* Torr. (5)  
Det. ~~Kunze~~ Constance  
Granitic soil on a steep slope,  
1 mile west of Monarch Pass,  
Dumfries Co. ~~July 12~~  
alt 11,000 ft.  
July 12, 51

5173 *Scrophularia nuttallii* Gray  
white with yellow  
(5)

*Thlaspi clavatum* Rydb. (7)  
Stems usual several, can be  
as 5172

5175 *Penstemon tenuirostris* Greene  
Forming a dense mat on  
granitic soil, rock-out, 4 miles  
west of Mosatch Pass - Gunnison Co.,  
alt. ca 10,500 ft

5176 *Draba spectabilis* Greene, var. *oxyloba* (Greene) <sup>July +</sup>  
<sup>Schubert</sup>  
(9) Fls yellow, biennial or perennials, stems  
weak, at upper edge of sagebrush  
pine-aspen - sagebrush border, dry  
slopes. 3 miles west of Sargents,  
Gunnison Co., July 12 - alt. ca 9,000 ft

5177 *Penstemon tenuirostris* Greene  
Fls blue, leaves grayish, forming small  
mats - as 5175

5178 *Phlox multiflora* A. Nels.  
(5) Fls white, forming mats up to 1 ft  
across

5179 *Oxytropis*  
Fls. carmine, open knoll, sagebrush  
area, near Agate Creek, 1.5 miles  
northwest of Sargents, Saguache Co.,  
alt. ca 9,000 ft.

colorado

5180 *Astragalus*  
 stems decumbent, fls. reddish purple  
 as 5182

5181 ~~*Astragalus*~~ *heptodactylon purpureus* Torr.  
 fls. white with bluish cast in tube  
 Steep side of road cut, 1/2 mile  
 northeast of Sargents, Saguache Co.  
 alt ca. 8,500 ft - July 12

5182 *Lepidium montanum* Nutt.  
 var. *alpicolor* (Gray) Jones  
 gravelly area near Trencher Creek,  
 1/2 mile southwest of Sargents,  
 Saguache Co. alt ca. 8,500 ft

fixed

5183 *Pentstemon procerus* Douglas  
 fls. blue, as 5182

5184 *Galium boreale* L. var. *intermedia* DC  
 stems in pairs from stolons, fls.  
 white as 5182

fixed

5185 *Crataegus rivularis* Nutt.

Bushy tree about 15 ft high, new bark  
reddish, old bark gray

(5)

Wet depression, 31 miles southwest of  
Harrison, Saguache Co. July 12.  
alt. ca 8,500 ft.

5186 *Physalis floribunda* Rydb. (11)

Talus <sup>above</sup> road cut, ~~sagebrush~~  
as 5185 - some plants abundant  
from insect injury

5187 *Agrostis*

Forming a patch about 10 ft across  
near meadow but along road  
30 miles southwest of Harrison  
as above - alt ca 8,500 ft.  
Saguache Co.

5188 *Sidalcea neomexicana* Gray (6)

Fls. reddish purple, perennial  
near meadow as 5187

det. C. L. Hitchc.

5189 *Penstemon Tenuirodes* Greene (5)

Dry soil near meadow  
as 5187

Colo

5190

*Chamaecyparis*  
 shrubs up to 6 in in diam.  
 Dry subalpine forest, sagebrush area,  
 23 miles southeast of Gunnison,  
 Saguache Co. alt. ca. 8,000 ft.

5191

*Tetragahis*  
 Fls. probably white, as 5190

5192

*Salix geyeri* S. Wats. var. *gayana*  
 Fls. light to dark purple, moist  
 meadows - 10 miles southeast of  
 Gunnison, Saguache Co. alt.  
 ca. 7,600 ft. July 12

(6)

5193

*Arabis Crandallii* Robinson (4)  
 Crevices of granite rocks, sagebrush  
 area, 9 miles south of Tule town,  
 Lake City, Gunnison Co. July 13  
 alt. ca. 8,000 ft.

5194

*Arabis Crandallii* x *A. H.*, var. *retrofracta*?  
 Siliques spreading at right angles,  
 among granite rocks & sagebrush,  
 hill top, 10 miles south of Tule  
 See alt. 8112 ft.



5195 *Arabis Holboellii* var. *retrofracta* ①  
Siliques densely pubescent  
as 5194 - seed taken

5196 *Physaria floribunda* Rydb. ③  
Exposed knoll and slope with loose  
rocks, 15 miles south of Tola - alt ca  
8,000 ft.

5197 *Arabis densica* Greene ④  
Abundant on knoll covered with igneous  
rocks, 18 miles southwest of Tola on  
hwy. Highway 129

July 13

5198 *Lithospermum multiflorum* Torr.  
det. I. M. Johnston  
Stems several to numerous, among  
sagebrush in the pine belt  
28 miles south of Tola  
Gunnison Co.

5199 *Lupinus floribundus* Greene  
Fls. bluish purple, stems red  
as 5198

Colorado

51100 *Valeriana edulis* Nutt. ex T. & G.

(8)

as 51102

51100a *Mimulus linearis* (Pursh) Heimerl.

(2)

as 51102. Shrub 6-8 ft. fls. yellow

51101 *Asclepias Hallii* Gray det. R. E. Woodson, Jr.

Fls. white with rust-colored sepals,  
dry talus, 13 miles north of  
Lake City, Hinsdale Co. alt. 8,000 ft.

July 13

51102 *Hesperis dumosa* (Nutt.) Heller

at foot of talus and in drainage of  
Lake Fork of  
Summit River, 6 miles north

(8)

of Lake City, Hinsdale Co.

alt. 8,500 ft.

51103 *Cornus stolonifera* Michx.

scrambling shrub with canes about

(8)

4 ft long, bark reddish

as 51102

51104 *Physaria floribunda* Rydb. (10)  
boose talus near Lake Fork of the  
Luncheon River, 5 miles north of  
Lake City, Hinsdale Co., alt. 8,500 ft.  
July 13

51105 *Geranium atropurpureum* Heller  
Fls. reddish purple, petals strongly  
reflexed, stem 2-3 dm. from base  
with arching siliques and at base of  
near <sup>Henson</sup> Henson Creek, 1 mile south  
of Lake City, Hinsdale Co., July 14  
alt. 8,700 ft.

51106 *Physaria glandulosa* Nutt. det Lincoln Constant  
Fls. purple blue, viscid, base of  
from base to top, deep red, same  
as 51105  
Fixed

51107 *Thelypoda Fendleri* Gray (2)  
Gravel bar of creek, 1/2 mile from  
collected as 51105  
2n = 28

51108 *Pentstemon tenuirostris* Greene (6)  
Fls. blue, found in small talus 3-4  
1 mile south of Lake City, Hinsdale  
Co., July 14

Colorado

51107 *Cryptantha Weberii* Johnston  
 Fls. white, on a vine  
 growing on rocks, on the hills  
 above Lake Fork of the Gunnison  
 River, 15 miles southwest  
 Lake City. alt. 9,000 ft.  
 det. J. M. S.

51108 *Draba aurea* Vahl  
 Kuhl among rocks  
 as 51107

51109 ~~*Symphoricarpos utahensis* Robinson~~  
*Symphoricarpos torreyi* Gray  
 Shrub, 10 ft. high, among rocks  
 as 51107

(6)

51112 *Senecioidea corymbosa*  
 Rocks among, south slope of  
 Uncompahgre Peak, July 13; alt.  
 13,500 ft. fls. purplish to white  
 Hinsdale Co.

51113 *Triphleum nanum* Torr.  
 Fls. white to bluish purple, forming  
 small mats,  
 as 51112 det. J. M. Silllett

51114 *Cortaderia*  
 Fls. reddish purple,  
 as 51112

(3)

5115 *Caytonia megarhiza* (Gray) Parry  
Fls. white - as 5112

5116 *Arenaria obtusiloba* (Rydb.) Fern. (3)  
~~C. ...~~  
Fls. white, & in crevices of rocks

5117 *Polimonium viscosum* Nutt.  
Fls. blue  
(3)

5118 *Phlox*  
Fls. white - as 5112

5119 *Draba graminea* Greene (3)  
among rocks

5120 *Erigeron bearingianum* C. & S. subsp. *earlei* (Rydb.)  
Rock crevices - as 5112 Hulten

5121 *Campanula*  
Fls. deep blue to purple  
as 5112

Colo.

51122 *Arenaria obtusiloba* (Rydb.) Fern.  
matted, fls. white

Hinsdale Co.

51123 *Saxifraga debilis* Engelm.  
fls. white

①

51124 *Saxifraga caespitosa* L.  
matted - fls. white

①

as 51112

51125 *Draba graminea* Greene  
Rocky soil - fls. yellow

51126 *Senecio*  
Rocky summit - as 51112

July 15

51127 *Erigeron*  
Large blue - very numerous  
alt. 12,500 ft 2 miles south  
of Anconupatque peak.

51128 *Caryophyllus rivula* (Greene) Rydb. ①  
as 51127 - rocky knoll-top

Colorado

51129 *Penstemon whippleanus* Gray  
Fls. blue, as 51128

(3)

51130 *Thlaspi* ~~*fulvum*~~ *Fulleri* Gray  
Moist mountain meadow - near  
Nellie Creek, 5 miles north of the  
junction with Hanson Creek,  
alt. 11,000 ft. Hinsdale Co

July 15<sup>th</sup>

51131 *Allium* *geyeri* S. Wats. var. *tenuum* M. E. Jones  
as 51130 - Fls. reddish purple

6

51132 *Pedicularis groenlandica* Retz  
Fls. purple to reddish  
as 51130

51133 *Geranium macrophyllum* Willd.

(4)

Moist stream bank - as 51130

51134 *Asarum* *bakeri* Greene  
Fls. deep blue to purple

51135

*Asplenium*  
Fls red pink - ~~under the~~ *specimens*  
fir woods - as 51130

57136

*Lycopodium elegans* Pursh  
dry bank, ~~specimens~~ *fir forest*  
near Miller Creek, 14 miles  
north of the junction with  
Horseshoe Creek, *peninsular* Co.  
alt 10,500 ft. - July 13

(9)

51137

*Chimaphila globosa* Nutt. (6)  
Fls. pink to whitish  
as 51136

51138

*T. attenuatum* Greene  
at ~~the~~ *junction*  
det. J.M. Sillb. July 13

51137

*guttatum* DC  
at ~~the~~ *junction*  
det. J.M. Sillb. July 13

(6)



1003 *Suaeda* *calycina* (Steph.) C.A. Meyer

Stems both erect & prostrate  
leaves small, with salt glands  
at base of leaf

1004 *Suaeda* *beringiana* C. & S. subsp. *carlei* (Rydb.)  
Hulten

Stems erect & prostrate

1005 *Suaeda* *quinquefolia* Rydb.

(4)

1006 *Suaeda* *crassa* Rydb. (3)

Stems erect & prostrate  
leaves small, with salt glands  
at base of leaf

*amoenum* (Greene) Rydb. (3)

*Bakeri* Coult. & Rose  
Det. Lincoln Constante

*aurum* Vahl (1)

*fladnizensis* Wulf. (3)

*graminea* Greene (3)

Colorado

1150 ~~1150~~ *Crassifolia* R. Griseb.??

(1)

~~Redondo~~

1151 ( ) *Chromola jamesii* Benth.

~~Redondo~~

~~1152~~

~~San Juan Co~~

~~Redondo~~

~~1153~~ *Watr.*

(8)

San Juan Co

~~1154~~

~~San Juan Co~~

~~Redondo~~

~~all through~~

*subviscosa* Rydb.

(#)

July 16

*beeringianum* C. & S. (4)  
subsp. *earlei* (Rydb.) Hultén

*caespitosa* L.

(2)

Colorado

51161 *Eryngium anserinum* (Greene) Rydb.  
 Rocks, northwest slope, fls purple  
 as 51160

51162 *Arabis* ~~sp.~~ *crassa* Rydb. (6)  
 as 51161

51163 *Eryngium anserinum* (Greene) Rydb. (3)  
 Rocky slope, near base of ...  
 just below ... Plate northwestern  
 ...  
 July 16

51164 *Thermopsis*  
 as 51163

51165 *Arabis Crandallii* Robinson (11)  
 growing in ...  
 pine-sagebrush association, dry  
 hillside, near Lake San Cristobal,  
 6 miles south of Lake City,  
 Hinsdale Co., alt 8,700 ft.  
 July 17, 1901

Colorado

51166 *Mentzelia linearis* (Pursh) Heiml.  
 Fls. yellow-purple, basal leaves  
 near Lake Fork of Gunnison  
 River, 12 miles south of Sapinero<sup>Suncho</sup>,  
 toward Lake City, Gunnison Co.  
 alt. ca. 7,500 ft.  
 July 18, 1911

(5)

51167 *Elymus pinnatifida* Nutt., var. *calcareus* (Jones) Brand  
 Det. H. L. Mason  
 Perennial, fls. pale  
 revision of *calcareus* as  
 51166

51168 *Mentzelia utahensis* Koehne  
 Shrub, in the same place as  
 17 miles south of Sapinero Junction  
 with 11,800 ft. alt.  
 Gunnison Co., alt. ca. 7,500 ft.

(8)

51169 ~~*Mentzelia*~~ *Sidalcea neomexicana* Gray  
 Granite soil, fls. purplish red  
 as 51168  
 Det. C. L. Hitchcock

51170 *Physalis*  
 1 mile south of Sapinero Junction  
 toward Lake City, etc.

51171 *Mimulus floribundus* Dougl.  
Annual, fls yellow, wet crevices of  
rocks,  
as 51170

(10)

51172 *Rorippa curvicalyx* (Hook.) Barr.  
(Wats.) Hitchc.  
River bank as 51171 July 18  
Frind.

~~as~~ 71 = 8

Utah

51173 *Aquilegia chrysantha* Gray  
Fls. clear yellow, growing in clumps  
up to 2 ft. across, rocky hillside,  
Watsatch plateau, 23 miles west of  
Blanchard on road to Springdale,  
Eureka Co. alt. 7300 ft. July 19

(7)

51174 *Corydalis aurea* Willd.  
Fls yellow, stems numerous  
as 51173

(6)

51175

*Andropogon rydbergii* A. Nels.

Fls blue to lavender, forming  
patches up to 10 ft. across  
abundant on a gentle slope  
as 51173

51176

*Polypodium foliosissimum* Gray

Fls blue - sometimes white.  
Stems more or less bare  
as 51173

(5)

51177

*Andropogon coerulea* Raf.

(4)

51178

*Syntherisma oreophilus* Gray

Herb. 12 in. tall. West of Silverville  
near Ottumwa, Iowa. July 29.  
Kearney Co. - July 29.

51179

*Rhus trilobata* Nutt

Shrub up to 4 ft high  
as 51178

(4)



242

*Strocyne lutea* Nutt.

Fls yellow - meadow - as 51183

(10)

*Penstemon scariosus* Pennell

Fls mostly blue but with reddish purple  
occasionally, stems one to several, large

hillside - 17 miles west of

Orangeville on road toward Ephraim

Western Plateau - alt 2,000 ft

Emergent

(6)

*Cryptantha Bakeri* (Greene) Payson

Fls white with yellow center and  
slopes, 15 miles west of

Orangeville on road toward Ephraim  
Western Plateau, alt 2,000 ft

Emergent

Det. I. W. J.

*Physalis Chambersii* Rollins

(4)

Stems present above ground

as 51182

211 = 10?

Wata

*Actinophora*

Stems numerous, in dense clumps  
pub. pubescent, moist cliff in deep  
soil. 12

alt. 7,000 ft.

5185 *Hedysarum boreale* Nutt.

Stems numerous, in clumps. Fr.  
barren.

5186 *Chamaecrista*

Stems numerous, in dense clumps  
pub. pubescent, moist cliff in deep  
soil.

5187 *Lupinus hemisphaericus* Maguire (8)

Stems prostrate, pub. tomentose  
as above, prostrate, pub. tomentose  
at junction of stem and root

east of Ephraim, Emery Co., Utah

July 19

Wata

57188 *Vicia nuttallii* Pursh  
Fls. yellow, nodding, leaves erect,  
(8) gumbo soil on hillside, ca 5000'

57189 *Pseudocymopterus montanus* (Gray) Coult. + Rose (4)  
Det. Lincoln Constance  
ca 5100'

57190 *Thermopsis glauca* A. Nels.  
Fls. white, 5-6 in. long, yellow  
anthers, 1 mile west of junction  
with highway road, 17 miles east  
of Ephraim, Washoe Co., Nevada,  
July 19, 1954.

57191 *Lesquerella hemiphysaria* Maguire (3)  
Fls. yellow, stems erect  
ca 5200'  
road on slope only

57192 *Pentstemon palmeri* Gray  
Fls. white, pink, stems erect from  
a woody base, Oak-Mountain Wahsage  
(7) area, 6 miles east of Ephraim,  
Wahsage Co. July 19  
alt. 6450 ft. wet slope



Utah

51198 *Piper cereum* Dougl.

Bark grey, with greenish red  
 spots. Height, bottom of fruit  
 1.5 m.  
 2.11.18

(7)

51199 *Artemisia scopulorum* Tidestrom

growing in the same place  
 as above. - as 51198

(5)

51200 *Artemisia intermedia* (Wats.) Hellen

(9)

More abundant, pedicels  
 erect. - as 51198  
 2.11.18

51201 *Silene petersonii* Maguire  
 var. *minor* Hitchc. & Maguire

as 51198

51202 *Draba subalpina* Soodm. & Hitchc.

(2)

Steep slopes - as 51198

51203 *Draba rubicundula* Rollins

Steep slopes, pedicels erect. - as 51198

Utah

51207

*multiflorum* Torr.  
det. F. M. J.

(5)

Salt Lake Co

51208

51209

*Chamberii* Rollins  
var. *membranacea* Rollins

(7)

$2n = 20 ? 22 ?$

51208a

Forming mats up to 1 foot in diameter  
to white + purple  
as 51208b

51208a

*binum kingii* S. Wats - Bryce Canyon

Utah

Richardsonii (Sw.) Schulz  
Belknap, subsp. incisa (Engelm.) Benth.

51203

Mountain salt flat

Tushar Mts.

7 1/2 miles  
1/2 mile from point

Utah

alt 10,000 ft

July 21

51210

*Symphoricarpos barbeyi* Huth.

Fls deep purple  
climbs up to 10 ft  
in deep shade

51211

*Symphoricarpos vaccinioides* Rydb.

(5)

51212

*Symphoricarpos odoratissima* Benth.

(5)

51213

*Symphoricarpos* ?

(5)

Fls white  
as 51205

Utah

51214a *Phlox caespitosa* Nutt. var. *puberula* Wherry  
*caespitosa* Nutt.

51215 *Penstemon*  
*caespitosus* Nutt.

51216 *Penstemon*  
*caespitosus* Nutt.

51217 *Penstemon calycosus* (Steph.) C.A. Meyer  
var. *americana*

24=12



Utah

1231 *Chrysothamnus*  
steep slope - 13

1232 *Chrysothamnus* Wardii Wats. (12)  
Stems part of ...  
...  
21 = 12

1233 *Chrysothamnus* spicata Nutt. var. capitata Gray

(5)

...  
...  
...

1234 *Chrysothamnus*  
... 11 200 ft

1235 *Chrysothamnus*  
bushes about 8 inches high  
and up to 1 foot across  
...  
...

Utah

5122 *Pterycia Hendersoni* (Cott. & Rose) Math. & Const.  
Det. Lincoln Constance

Forming mats up to 1 foot high, on  
moist soil.

5126 *Arabis Brunsonii*

steep slopes in deep soil, 11,000 ft.

5127 *Delosyntherisma Watsoni* Underw. Det. R. M. Tryon, Sr.

Small plant, summit of peak,  
11,500 ft.

5128 *Lesqueris caespitosus* Nutt

①

*Delosyntherisma*

small plant, pink stems, summit  
11,500 ft.

5129 *Salvia petersonii* Maguire

on hillside, summit  
11,500 ft.

Utah

231 *Lingua*  
Rays ... ..  
...

232 *Stellaria longipes* Goldie  
var. *lactea* (Richd) S. Wats

(4)

233 *Agropyron scirpoides* Vasey  
Stems ... ..

(4)

234 *Lupinus laciniatus* (Gray) Rydb.  
Leaves ... ..

(3)

Wyoming

51235 *Stanleya pinnatifida* Nutt. (6)  
Fls. brown yellow, stems 1/2 m. tall,  
base, rocky sagebrush covered hillside  
1/2 mile east of Rawlins, Dakota  
alt. July 23<sup>rd</sup>

51236 *Hedysarum*  
Stems numerous, fruits persistent  
as 51235

with Ted Porter  
↓

51237 *Stanleya pinnatifida* Nutt. (6)  
white shale knoll, on the edge  
of Rawlins Flat, 13 miles north  
of Rawlins, Carbon Co., W. Dak.  
July 23<sup>rd</sup>

51238 *Lungwort* *alpina* (Nutt) Wats. (10)  
var. *spathulata* (Rydb.) Payson  
Shaly slopes on the edge of  
Rawlins Flat, 13 miles north  
of Rawlins, Carbon Co., W. Dak.  
July 26

Nutt.

(3)

51240 *Agrostis*

Fls yellow, basal leaves variable  
2.3 miles west of Dubois, above falls  
of Big Wind River, alt. 8,200  
Spruce-fir forest - July 27.  
Fremont Co., Wyo.

51241 *Agrostis*

The same as last one, but in  
a different place, 2.2 miles  
west of Dubois, alt. 8,200 ft.

51242 *Agrostis divaricata* J. Kels.

cut back, sparse in forest, 1.3 miles  
north of Dubois + wind. Clinch  
ped. Fremont Co., July 27  
alt. 8,200 ft.

(6)

51213 *Agave*

Agave in open woods,  
near Flag Ranch  
with yellow flowers  
in soil, *Utah County, Wyo*  
at c. 8000 ft July 21

51214 *Arabis* *truncata*  
along road, small bush  
with white flowers  
at c. 8000 ft

(12)

Park Co. *Arabis*  
at c. 7,900 ft  
 $2n = 14$

51215 *Arabis* *truncata*  
along road, small bush  
with white flowers  
at c. 8000 ft

(11)

$2n = 14$

51216 *Arabis* *truncata*  
along road, small bush  
with white flowers  
at c. 8000 ft

(12)

$2n = 14$

with C. L. Porter

51201 *Asplenium* *platyneuron* (L.) Hook. & Grev.  
Rocky slopes, near highway,  
1 mile west of Center, Park Co.  
August 7, 1904 July 28

51202 *Asplenium*  
Rocky slopes, near highway  
August 7, 1904

51203 *Asplenium* (b.) *Berula*.  
Rocky slopes, near highway, Park Co.  
August 9, 1904  
August 7, 1904 July 28

51204 *Asplenium*  
Rocky slopes, near highway  
August 7, 1904  $2n = 14$

51205 *Asplenium* var. *retrofractum*  
Rocky slopes, near highway

51206 *Asplenium*  
Rocky slopes, near highway  
 $2n = 14$

51253 *Descurainia*  
rays yellow  
Mountains Highway, 1 mile east of  
Beartooth Lake, Park Co., Wyo.  
July 29, 1951 alt 8,500 ft

51254 *Descurainia*  
rays yellow  
Mountains Highway, 1 mile east of  
Beartooth Lake, Park Co., Wyo.  
July 29, 1951

51255 *Descurainia Richardsonii* (Sweet) Schleg  
Clay Butte, *subsp. viriosa* (Rydb.) Bellamy  
1/2 mile west of Beartooth Peak,  
northwest park, Wyo. July 30, 51  
alt 9,500 ft

51256 *Arabis laevis* var. *longicaulis* (12)  
Heavy rocky soil, petals lilac to whitish,  
siliques slightly pendulous, just below  
right angles to rachis - as 51255  
Stems decumbent at base



51257 *Thlaspi perinflora* A. Nels.  
Grassy ridge-top, as 51255

(10)

51258 *Draba lanceolata* Boyle  
Fls. white - as 51257

(9)

51259 *Draba stenoloba* Ledeb.  
Fls. yellow - as 51255  
annual

(3)

51260 *Draba aurea* Vahl.  
Perennial, fls. yellow  
as 51257

(3)

51261 *Draba crassifolia* R. Hook.  
Fls. yellow, hillside where snowdrift had  
melted, as 51255

(6)

51262 *Cardamine vallisneriae* Greene (4)  
Wet & low in primarily decid.  
savanna place near Cooke & Co  
mine 1.5 miles west east of Cooke,  
Montana - P. extreme northwestern  
Park Co. Wyo. alt. 8,000 July  
30. 1951

51263 *Cardamine* (4)  
Rocky opening in spruce-fir forest  
near <sup>U.S.</sup> Highway 12, 1/2 mile south of  
Montana line in extreme northwest  
Park Co. Wyoming. July 31, 1951  
alt. 7,500 ft

51264 *Lesqueris* *truncata* L.  
as 51263 (4)

51265 *Lesqueris* *Hobbsii* var. *retrofracta*  
as 51263 (6)

51264 *Asplenium* *variegatum* Nutt. (20)  
Fls. white.  
Rock crevices of cliff, near Charles  
Fork River, 9 miles west of  
Newtown, ethereal, well-developed pale  
green. July 31, 1911 alt. 5000 ft.

51265 *Asplenium* *vallicola* Greene (15)  
Fls. white, <sup>with</sup> boggy stream margin and  
rock margin - as 51266

51268 *Asplenium* *summiti* S. Wats. (14)  
Fls. purple, steep slope near summit  
to top of ridge. Clay Butte, 1/2 mile  
west of 13 Antelope Lake, north of  
Wyo. alt. 12,000 - July 1911

51269 *Dryopteris* *pectinipila* sp. nov. (7)  
Rocky exposed upper, heavy clay  
as 51268 less caespitose, mats  
up to 4-5 in.

51270

*Viola oligosperma* Hook.

(17)

Fls yellow, calyx pale, pedicel  
as 51268  
sp. 6

51271

*Viola incerta* Payson

(16)

longer, stipe up to 2 inches  
as 51267

51272

*Viola apiculata* C. L. Hitchc.

(9)

longer, stipe up to 2 inches  
as 51267

51273

*Viola oligosperma* Hook.

(12)

longer, stipe up to 2 inches  
as 51267

51274

*Viola calycina* (Steph.) C. A. Meyer  
var. *americana*

longer, stipe up to 2 inches  
as 51267

51272 *Draba paysonii* Macbride  
Mountains of base, along valley of Payson  
1907, 1908

(10)

51273 *Draba incerta* Payson  
var. *incerta* Payson  
equal  
1907, 1908

(14)

51274 *Draba incerta* Payson (10)  
Sp. T. near Payson, along ridge  
of Clay Buttes, near town of Payson,  
Wyoming - alt. 10,000 ft. Aug 1, 51

51278 *Draba nivalis* Lidj., var. *brevicula* var. nov.  
Dr. Lidj., *Draba nivalis* var. *brevis* Lidj.  
as 51277

51279 *Draba* *longiscarpa* Rydberg  
*nivalis* Lidj., var. *exigua* (Schultz) C. L. Hitch. (8)

*Louiseocarpa* Rydb.

(2)

*nivalis* (Waldst.) var. *aequalis* (Schubert) C. L. Hitchc.

1000 ft. alt. ...  
... 51279  
... 51280

51281 *Arabis* H. var. *parvifolia*

(2)

<sup>By the way</sup>  
Firehole River, Yellowstone Natl.

park. Aug. 3, 1951

2n = 14

51282 *Draba* *microphylla*

(1)

near Firehole Falls, Yellowstone Natl. Park Aug. 3, 1951

51283 *Arabis* *repens*

(1)

51284 *Arabis* *repens*

(1)

51285 *Arabis* *divaricata* A. Nels.

(1)

51285 *Stanleya* *viridiflora* Nutt.

(7)

Clay Knoll, 20 miles north

R. Springs

Colorado with ...

51286 *Isatis medea* Vahl (6)  
 Ridge of North Star Mt. south slope  
 1 mile west of Horner Pass,  
 alt. 12,000 ft Aug. 7, 28  
 Park Co

51287 *Isatis lanceolata* Royle (6)  
 1 1/2 miles west of Horner Pass  
 alt. 12,300 ft - see 51286  
 no. 5153

border of Park & Summit Counties

51288 *Braya humilis* (C.A. Meyer) Robinson (11)  
 at 51287 var. *ventrosa* Rollins

51289 *Isatis ...* Gray  
 ... area ...  
 ... Park Co ...  
 211 = 14

51290 *Isatis ...* a. nels  
 ...  
 as 51288

(11)

211 = 14

no A *Hubertii* found in the vicinity

57291

*Deschampsia* Rollins

perennial  
Wet mossy soil near stream  
spring, steep slope, <sup>south face</sup>  
about 2 miles east of Hamilton  
Park Co., County. alt 12,500 ft.  
Aug. 8, 1948

57292

*Deschampsia calycina* (Staph.) C.A. Meyer  
var. *americana*

Southwest slope of mountain  
about 2 miles east of Hamilton  
alt 12,500 ft.

57293

*Deschampsia exungiculata* (Schulz) C.L. Hitchc. (3)

Southwest slope of mountain  
about 2 miles east of Hamilton  
alt 12,500 ft.

57294

*Deschampsia spectabilis* Greene  
var. *dissempata* (Schulz) C.L. Hitchc. (2)

margin s. ~~from~~ <sup>from</sup> ~~proceeding~~  
alt 12,500 ft.

57294a

*D. exungiculata* (Schulz) C.L. Hitchc. (1)

57295

*Deschampsia crassifolia* R. Thall.

alt 12,500 ft.



(3)

*Araba nivalis* Holz., var. *exigua* (Schulz) C. L. Hitchc.

51294

Wats.

(9)

Rocky talus, northwest slopes of House  
Ridge - 12,500 ft  
51295

(9)

*Araba caesa* Rydb.

Rocky talus, northwest slopes of House

Ridge - 12,500 ft

51296

(9)

*Erysimum nivale* (Greene) Rydb.

51297  
51298  
51299  
51300  
51301  
51302  
51303  
51304  
51305  
51306  
51307  
51308  
51309  
51310  
51311  
51312  
51313  
51314  
51315  
51316  
51317  
51318  
51319  
51320  
51321  
51322  
51323  
51324  
51325  
51326  
51327  
51328  
51329  
51330  
51331  
51332  
51333  
51334  
51335  
51336  
51337  
51338  
51339  
51340  
51341  
51342  
51343  
51344  
51345  
51346  
51347  
51348  
51349  
51350  
51351  
51352  
51353  
51354  
51355  
51356  
51357  
51358  
51359  
51360  
51361  
51362  
51363  
51364  
51365  
51366  
51367  
51368  
51369  
51370  
51371  
51372  
51373  
51374  
51375  
51376  
51377  
51378  
51379  
51380  
51381  
51382  
51383  
51384  
51385  
51386  
51387  
51388  
51389  
51390  
51391  
51392  
51393  
51394  
51395  
51396  
51397  
51398  
51399  
51400  
51401  
51402  
51403  
51404  
51405  
51406  
51407  
51408  
51409  
51410  
51411  
51412  
51413  
51414  
51415  
51416  
51417  
51418  
51419  
51420  
51421  
51422  
51423  
51424  
51425  
51426  
51427  
51428  
51429  
51430  
51431  
51432  
51433  
51434  
51435  
51436  
51437  
51438  
51439  
51440  
51441  
51442  
51443  
51444  
51445  
51446  
51447  
51448  
51449  
51450  
51451  
51452  
51453  
51454  
51455  
51456  
51457  
51458  
51459  
51460  
51461  
51462  
51463  
51464  
51465  
51466  
51467  
51468  
51469  
51470  
51471  
51472  
51473  
51474  
51475  
51476  
51477  
51478  
51479  
51480  
51481  
51482  
51483  
51484  
51485  
51486  
51487  
51488  
51489  
51490  
51491  
51492  
51493  
51494  
51495  
51496  
51497  
51498  
51499  
51500  
51501  
51502  
51503  
51504  
51505  
51506  
51507  
51508  
51509  
51510  
51511  
51512  
51513  
51514  
51515  
51516  
51517  
51518  
51519  
51520  
51521  
51522  
51523  
51524  
51525  
51526  
51527  
51528  
51529  
51530  
51531  
51532  
51533  
51534  
51535  
51536  
51537  
51538  
51539  
51540  
51541  
51542  
51543  
51544  
51545  
51546  
51547  
51548  
51549  
51550  
51551  
51552  
51553  
51554  
51555  
51556  
51557  
51558  
51559  
51560  
51561  
51562  
51563  
51564  
51565  
51566  
51567  
51568  
51569  
51570  
51571  
51572  
51573  
51574  
51575  
51576  
51577  
51578  
51579  
51580  
51581  
51582  
51583  
51584  
51585  
51586  
51587  
51588  
51589  
51590  
51591  
51592  
51593  
51594  
51595  
51596  
51597  
51598  
51599  
51600  
51601  
51602  
51603  
51604  
51605  
51606  
51607  
51608  
51609  
51610  
51611  
51612  
51613  
51614  
51615  
51616  
51617  
51618  
51619  
51620  
51621  
51622  
51623  
51624  
51625  
51626  
51627  
51628  
51629  
51630  
51631  
51632  
51633  
51634  
51635  
51636  
51637  
51638  
51639  
51640  
51641  
51642  
51643  
51644  
51645  
51646  
51647  
51648  
51649  
51650  
51651  
51652  
51653  
51654  
51655  
51656  
51657  
51658  
51659  
51660  
51661  
51662  
51663  
51664  
51665  
51666  
51667  
51668  
51669  
51670  
51671  
51672  
51673  
51674  
51675  
51676  
51677  
51678  
51679  
51680  
51681  
51682  
51683  
51684  
51685  
51686  
51687  
51688  
51689  
51690  
51691  
51692  
51693  
51694  
51695  
51696  
51697  
51698  
51699  
51700  
51701  
51702  
51703  
51704  
51705  
51706  
51707  
51708  
51709  
51710  
51711  
51712  
51713  
51714  
51715  
51716  
51717  
51718  
51719  
51720  
51721  
51722  
51723  
51724  
51725  
51726  
51727  
51728  
51729  
51730  
51731  
51732  
51733  
51734  
51735  
51736  
51737  
51738  
51739  
51740  
51741  
51742  
51743  
51744  
51745  
51746  
51747  
51748  
51749  
51750  
51751  
51752  
51753  
51754  
51755  
51756  
51757  
51758  
51759  
51760  
51761  
51762  
51763  
51764  
51765  
51766  
51767  
51768  
51769  
51770  
51771  
51772  
51773  
51774  
51775  
51776  
51777  
51778  
51779  
51780  
51781  
51782  
51783  
51784  
51785  
51786  
51787  
51788  
51789  
51790  
51791  
51792  
51793  
51794  
51795  
51796  
51797  
51798  
51799  
51800  
51801  
51802  
51803  
51804  
51805  
51806  
51807  
51808  
51809  
51810  
51811  
51812  
51813  
51814  
51815  
51816  
51817  
51818  
51819  
51820  
51821  
51822  
51823  
51824  
51825  
51826  
51827  
51828  
51829  
51830  
51831  
51832  
51833  
51834  
51835  
51836  
51837  
51838  
51839  
51840  
51841  
51842  
51843  
51844  
51845  
51846  
51847  
51848  
51849  
51850  
51851  
51852  
51853  
51854  
51855  
51856  
51857  
51858  
51859  
51860  
51861  
51862  
51863  
51864  
51865  
51866  
51867  
51868  
51869  
51870  
51871  
51872  
51873  
51874  
51875  
51876  
51877  
51878  
51879  
51880  
51881  
51882  
51883  
51884  
51885  
51886  
51887  
51888  
51889  
51890  
51891  
51892  
51893  
51894  
51895  
51896  
51897  
51898  
51899  
51900  
51901  
51902  
51903  
51904  
51905  
51906  
51907  
51908  
51909  
51910  
51911  
51912  
51913  
51914  
51915  
51916  
51917  
51918  
51919  
51920  
51921  
51922  
51923  
51924  
51925  
51926  
51927  
51928  
51929  
51930  
51931  
51932  
51933  
51934  
51935  
51936  
51937  
51938  
51939  
51940  
51941  
51942  
51943  
51944  
51945  
51946  
51947  
51948  
51949  
51950  
51951  
51952  
51953  
51954  
51955  
51956  
51957  
51958  
51959  
51960  
51961  
51962  
51963  
51964  
51965  
51966  
51967  
51968  
51969  
51970  
51971  
51972  
51973  
51974  
51975  
51976  
51977  
51978  
51979  
51980  
51981  
51982  
51983  
51984  
51985  
51986  
51987  
51988  
51989  
51990  
51991  
51992  
51993  
51994  
51995  
51996  
51997  
51998  
51999  
52000

*Lesquerella rubicundula* Rollins

Byce Canyon, Utah

Aug. 17, 1951

*Linum Kingii* S. Wats.

51300

Herbarium

... colonies of yellow - some in  
5300 - with an occasional plant with  
white or pale lavender flowers - but with  
a yellow center. North of Robinson House  
was a very extensive colony - two fields  
of 10 to 20 acres with <sup>light</sup> white to  
light lavender <sup>yellow</sup> (coll. 5506) with an occasional  
plant with yellow flowers. <sup>purple</sup> <sup>white</sup> <sup>yellow</sup>  
under which were in the same area  
of development and appear to be the  
same species.

③

175

5201 *Draba brachycarpa* Nutt.

open woods, 5 miles  
southwest of Lebanon, Wilson Co., Tennessee  
March 29, 1952

5202 *Draba stylora* Gray

open woods, 5 miles southwest of  
Lebanon, Wilson Co., Tennessee  
March 29  
5 miles east of Lebanon, Wilson Co., Tenn.  
March 29

5203 *Draba uniflora* (Michx.) Britt.

open woods, 5 miles southwest of  
Lebanon, Wilson Co., Tennessee, as 5202  
no evidence of hybridization.

5204 *Saxifraga virginiana* Michx.

bedges of limestone outcrop, moist area.  
5 miles southwest of Lebanon, Wilson Co.  
March 30

- 5205 *Heavenworthia uniflora* (Michx.) Britt.  
 Southern edge of Lebanon, <sup>loose</sup> ~~scattered~~ ~~col.~~  
 petals white; plants ~~occasional~~ ~~edge~~  
 March 30, 1952
- 5206 *Heavenworthia stylosa* Gray  
 Fls white to <sup>light orange</sup> ~~orange~~, occasional yellow  
 large stand - 2 miles north of  
 Lebanon
- 5207 *Lesquerella perforata* Rollins  
 Fls. white to pale lavender, center yellow,  
<sup>fragrant</sup>  
 open field, ~~near~~  
 5 miles north of Lebanon, Wilson Co.  
 March 30, 52  
 siliques pyriforme, sparsely pilose or more  
 commonly glabrous  $n = 8$   
 filed
- 5208 *Lesquerella perforata* Rollins  
 open <sup>pasture</sup> ~~field~~ at the west edge of  
 Lebanon - as 5207  
~~Wilson Co. March 30, 1952~~

5209 *Lesquerella laevis*  
abandoned field, eastern edge of Nashville  
March 30, 1952 - Davidson Co.

(Fixed)  $n = 8$

5210 *Lesquerella toulosa* Gray  
1/2 white to pale lavender, petals pale  
shaded; lobes, ...  
open pasture, 1 mile west of Bordeaux,  
Davidson Co. March 31, 1952

5211 *Lesq. laevigata* (Muhl.) Pair.  
Base of cliff in shale, 10 miles northwest  
of Bordeaux, Cheatham Co., Tenn. March 31  
Petals white to pale lavender, just exceeding  
sepals.

5212 *Lesquerella* (Gray) Wats.  
Roadside, 11 miles northwest of  
Bordeaux near state highway no. 12;  
as 5211 March 31, 1952  
Cheatham Co.,

5213 *Lesquerella* (New.) S. Wats.  
base of bluff near Cumberland River,  
Bull Run Fishing Camp

$n = 7$

Davidson Co. March 31, 1952

5214 *Lesquerella - Tescurii* (Gray) Wats.  
var. *viridis* two miles north  
of Galensville.  
U.S. Highway # A.  
Williamson County March 31, 1952

5215 *Lesquerella densipila* Rollins  
Fls. yellow, abundant in open glade,  
1 mile north of College Grove,  
Williamson Co., March 31, 1952  
n = 8

5215a *Leavenworthia toulosa* Gray  
fls. lavender with yellow centers  
as 5215

5216 *Leavenworthia [aurea] Torr.*  
flowers white. In open glades  
with yellow centers. One foot  
1 mile north of Galensville  
Williamson County March 31, 1952

5217 *Lesquerella densipila* Rollins  
This is the same as 5215  
near Duck River, roadside  
Marshall Co. March 31, 1952

5218 *Leavenworthia torulosa* Gray  
Flowers white to pale yellow  
near base of stem  
Marshall Co. March 31, 1952  
Flowers white to pale yellow  
inflated base of stem. Pouch  
torulose, 3-4 mm in net Gray.

5219 *Leavenworthia [aurea] Torr.*  
Flowers white to pale yellow  
pods flat. The specimen at  
No. 5218 March 31, 1952

5220 *Leavenworthia uniflora* (Michx.) Britt.  
Flowers white to pale yellow  
Marshall Co. Flowers white  
silicles thick. March 31, 1952

5221 *Leavenworthia stylosa* Gray  
Flowers white to pale yellow  
side prominent to the side  
Marshall Co. 1/2 mile  
southeast of Marshall in U.S.  
route 46 and 705 March 31, 1952

5222 *Lesquerella densipila* var. *maxima* Rollins  
Ten miles west of  
Gardiner on Overgule -  
Blaine Co. Idaho  
July 2, 1950  
N=8

5223 *Lesquerella densipila* var. *maxima* Rollins  
Ten miles west of  
Gardiner on Overgule -  
Blaine Co. Idaho  
July 2, 1950  
N=8

5224 *Lesquerella densipila* (Gray) Wats  
Ten miles west of  
Gardiner on Overgule -  
Blaine Co. Idaho  
July 2, 1950  
N=8



3035 Sibaria virginica

no 5034

5226 Leucanthemum stylosa Gray

Leucanthemum stylosa Gray  
Leucanthemum stylosa Gray  
Leucanthemum stylosa Gray  
Leucanthemum stylosa Gray

Leucanthemum stylosa Gray

Leucanthemum stylosa Gray  
Leucanthemum stylosa Gray  
Leucanthemum stylosa Gray



Tennessee - Ocoee River  
near Copper Hill

Picture of plants 1951

- Roll 1) Rufus, Heracium, Houttonia, Ceanothus,  
 Monarda, Veronica, Rubus, Umbellifer  
 Rudbeckia, Rorippa.
- Roll 2) Eryngium, Asperula, Malvastrum, Tradescantia  
 Opuntia, small white flowers, white flowers  
 yellow, <sup>yellow</sup> yellow flowers, white flowers,  
 Tradescantia, Helianthus, Penstemon,  
 Malvastrum, Cleome
- Roll 3) Cleome <sup>variegata</sup>, albica (2 kinds), Besenweid,  
 pink Tradescantia, Gentiana, Delphinium  
 Anemone, Physalis, Cryptantha
- Roll 4) Cryptantha, Dryopteris <sup>barbatifolia</sup>, Physalis viscosa,  
 Houttonia, Delphinium
- Roll 5) Urtica (black and yellow) (white and red)  
 Lepidium montanum, <sup>small white flowers</sup> <sup>yellow flowers</sup>  
 Pansy
- Roll 6) From summit of Mount Hood, Iris missouriensis,  
 Penstemon <sup>variegatus</sup>, Penstemon, Sedum,  
 Castilleja, Act. agalax. f. l.; Gaultheria,  
 Tel. forte

Roll 9 Dan. edia, pentstemon, Oxytropis, Rubus  
delicious, Ficus pumila, Argemone (white),  
Cirsium, Calochortus

Roll 10 Phloxia australis, Galium occidentale, Pentstemon  
the hills, scene near Dodge, scene  
off Mt. Princeton (pines, peaks - Hays on  
right & Torrey's on left) clouds & English  
spruce in Hoover pass.

Roll 11 Oreocis<sup>alpina</sup>, Anemone narcissifolia, Litha diffusa  
pedicularis granulata, Matricaria citrata, Catha.  
Droba ~~canadensis~~, Sadum ~~rosea~~, Asplenium  
potentilla diversifolia, Saxifraga columbiana,  
Dodecatheon

Roll 12 Camp on Hoodian Ridge, Weber, Lewisia,  
Mts. west of Fairplay, Lewisia & aquilegia  
side, pondosa pine forest, Pentstemon & Actinia,  
Pentstemon, Mt. Princeton, Mt. Sable Heron (11)  
Mirabilis multiflora

Roll 13 Area 2 below Mt. Princeton, Anemone

Roll 14 Same

Roll 15 bat. city to Mt. Princeton (3 specimens)  
M. typha

R. 15 *Adiantum*, Red Canyon

R. 16a Bryce Canyon

R. 17 *Epilobium* *bracteatum* *bracteatum*

R. 18 Tetons - Yellowstone, *minulus* (small)  
*minulus* ~~got~~ *weinsii*.

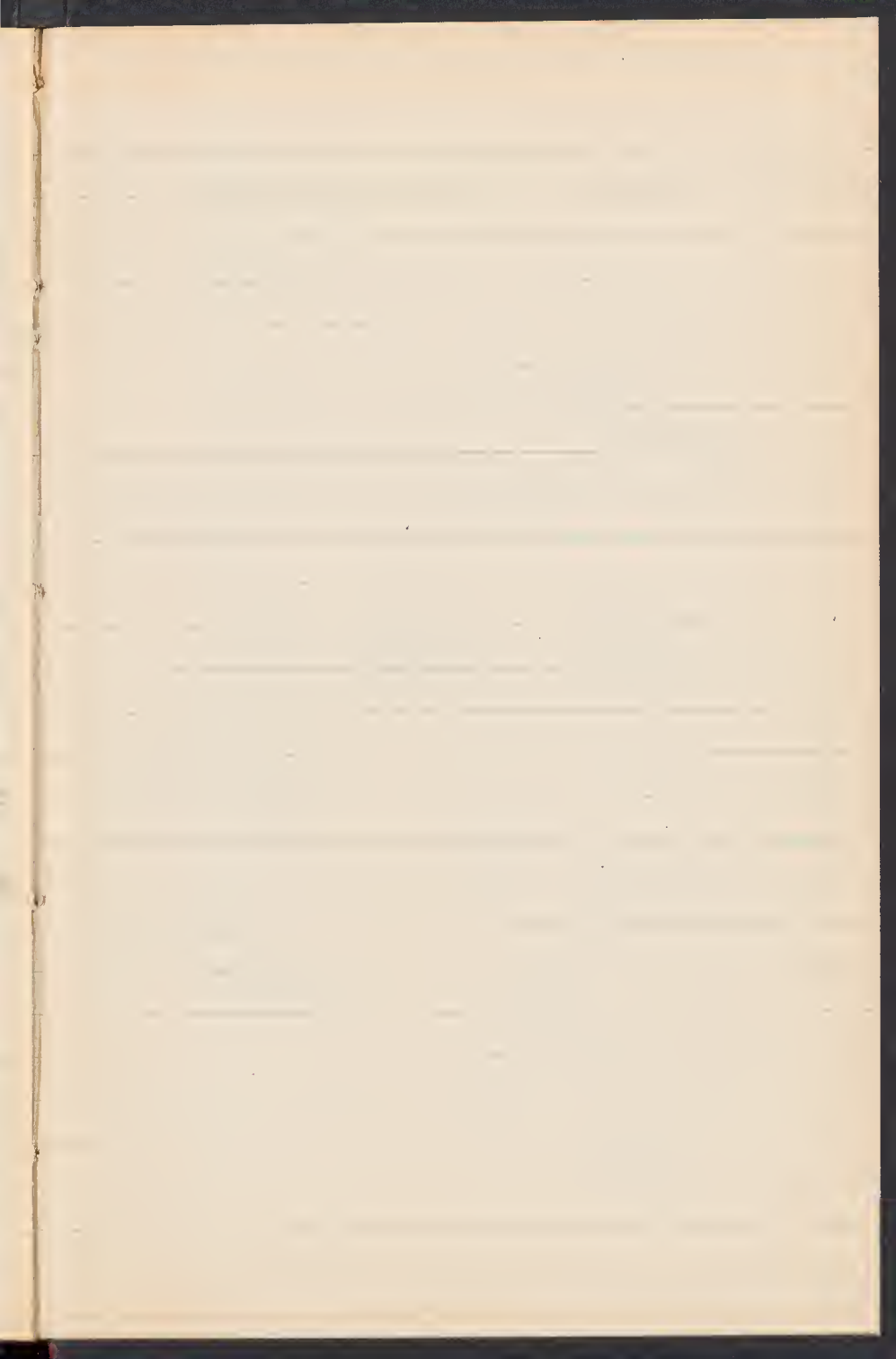
R. 19 *Epilobium* *bracteatum* <sup>pk</sup> *bracteatum*, *Epilobium*  
*bracteatum* *bracteatum*, *Epilobium* *bracteatum*  
*Epilobium*, *Parasaccharum*, *Hedysarum*  
*Hedysarum*, *Cephaelis*, *Yucca* *filifera*  
*Epilobium*, *Epilobium*, *Epilobium*

---

*Epilobium* *bracteatum* *bracteatum*, *Epilobium*  
*bracteatum* *bracteatum*

R. 21 *Epilobium* - *Chromola lutea*, *C. serrulata* (white &  
purple, Bryce - Wyo - Colo - Utah

R. 22 Bryce Utah



Cambridge	June 14	Spd. Pds.	32,709
salt lake	Aug. 20	.. ..	39,933
			32,709
			<u>7224</u>

7224  
 .07 ¢ per mile.  
505.68

8379	3062	3062
6848	06	05
<u>1531</u>	<u>183.72</u>	<u>153.10</u>

17  
 31  
 26  
74  
 10  
740.  
 28  
 9  
225

138.70	131.70
15	19.75
<u>65856</u>	<u>151.45</u>

577.92 Car  
 740.00 subsistence  
 225.00 Trap hire  
 80.00 horse-hire  
 110.00 return fare

10170  
95550  
 7224  
 .08  
577.92

1732.92  
 108.00 - Special  
 + wages with  
 porter  
1840.92

118

1100  
 740  
1840



Chloride 7 mg 3 mg salt  
200

2<sup>nd</sup> Feb 1900

Dubois 95"  
Pole 100 - 1000 ft 1 -  
Cathartes 100 - 1000 ft 2 -  
Cathartes 100 - 1000 ft 1 -

---

Antenna 100 - 1000 ft 1 -  
Pole 100

---

The ... ..  
The ... ..  
The ... ..  
The ... ..  
The ... ..

764

7000/2

Reed C. Rollins

195